



# Usability, Satisfaction and Comprehension of an Illustrated Eczema Action Plan in Practice by Pediatric Patients

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## BACKGROUND

➤ The Dermatology team, in collaboration with the pharmacy department, at the Children's Hospital of Eastern Ontario developed an illustrated eczema action plan (EAP) to support the management of eczema in children.

## OBJECTIVES

➤ Assess usability, satisfaction and comprehension of an illustrated EAP.

## METHODS

- Patients (12-17 years old) and parents of patients (0-11 years old) at an outpatient pediatric dermatology clinic presenting with a referral for eczema received an illustrated EAP.
- Following their visit, participants received an electronic survey to assess satisfaction and comprehension of eczema management recommendations :
  - The overall comprehension of eczema management will be assessed through 3 scenarios where the participants will need to identify the correct response to the situations
  - A section of a validated satisfaction survey that was used to assess the overall satisfactions of outpatient services to assess the eczema action plan.

## RESULTS

- 94 participants were recruited
- 47 participants completed the questionnaires : 15 children, 32 parents.
- Participants were asked how often they have used the EAP in the last two weeks, they answered "regularly" (44.0%) or "once or twice" (35.5%).
- The information presented in the EAP was deemed useful by 77.1%, easy to read by 96.5% and well presented by 91.8% of the participants.
- 57.5% of participants answered correctly to the scenarios for mild eczema
- 51.2% of participants answered correctly for the questions regarding eczema flare-up.
- On a 5 point scale, participants perceived no changes to their level of eczema after two weeks of using the EAP ( $2.4 \pm 1.0$ ).
- 84.0% of participants were satisfied with the EAP.

## CONCLUSIONS

- Satisfaction with the EAP was positive.
- Answers to the clinical scenarios were low in both parents and children.
- One-on-one interviews with participants could have improved this score
- Further investigation is required to assess the comprehension of eczema management recommendations.

**CHEO**

ADDRESSOGRAPH

**ECZEMA ACTION PLAN & PRESCRIPTION**  
 PHYSICIAN: Initial beside selected orders.  
 PHARMACIST: Fill medications as directed by physician.

WEIGHT \_\_\_\_\_ kg ALLERGIES \_\_\_\_\_

The Prescribed Cream should only be applied to affected areas

**ECZEMA UNDER GOOD CONTROL :**

**Bathe:**  
 Daily  
 Pat dry

**Apply Moist Cream:**  
 At least two times a day

**TO CONTROL AT RISK AREAS**

**Apply Medicated Creams On and Off:**  
 Apply before moist cream  
 For one month  
 Protopic® two - three times a week OR  
 Desonide 0.05% two times a week

**ECZEMA FLARE-UP :**  
 Continue Eczema under good control measures (above)

**Face, Neck, Armpits, and/or Groin:**  
 Desonide 0.05% ointment 2 times a day M: 60g R:3  
 Protopic® ointment two times a day M: 60g R:3  
 0.03% M: R:3  
 Other: M: R:3

**Body (arms, legs, hands, feet and torso):**  
 Use same prescription as Face M: 454g R:3  
 Clobetasol propionate 0.05% ointment two times a day M: R:3  
 Other: M: R:3

**ECZEMA OUT OF CONTROL :**  
 Continue Eczema under good control measures (above) and go see your doctor if your/your child's eczema does not get better within 5-7 days

**Face, Neck, Armpits, and/or Groin:**  
 Betamethasone valerate 0.1% ointment\* M: 454g R:3  
 Other: M: R:3

**Body (arms, legs, hands, feet and torso):**  
 Use same prescription as Face M: 50g R:3  
 Clobetasol propionate 0.05% ointment\* M: 50g R:3  
 Other: M: R:3

\*NO MORE THAN 14 out of 21 DAYS

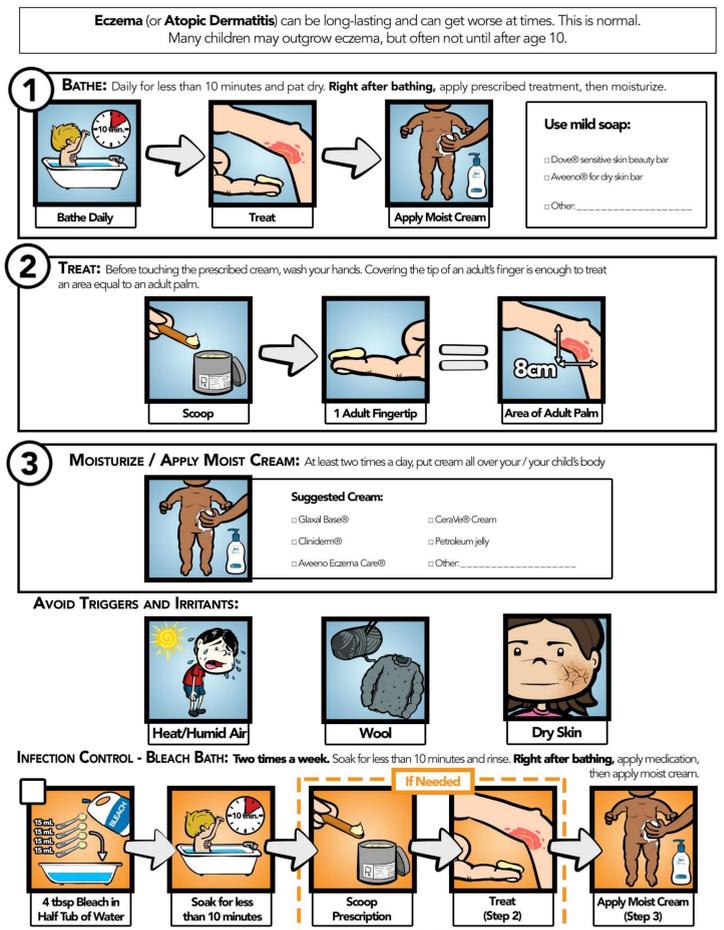
**ADDITIONAL MEASURES:**

**Sleep:**  
 Hydroxyzine (Atarax®) 0.5-1mg/kg/dose = \_\_\_\_\_ mg M: 200mL R:3  
 Diphenhydramine (Benadryl®) liquid 1 mg/kg/dose = \_\_\_\_\_ mg 1 Bottle: 100mL R:3

**Infection Control:**  
 Mupirocin ointment two times a day M: 30g R:3  
 Cephalosporin suspension \_\_\_\_\_ mg M: 14 days R:0  
 Clotrimazole 1% cream (17 mg/kg/dose, max 2 g/day) three times a day by mouth M: R:3  
 Other: M: R:3

Physician: \_\_\_\_\_ License #: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 (print name)

Follow up with the dermatologist in \_\_\_\_\_ weeks \_\_\_\_\_ months



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 Funding: Medbuy  
 REDFunds